

2012 ELP Award Winners & Descriptions



The Zerangue Group, Lafayette, LA:

The "X-Tractor" Sugarcane Processor

The Zerangue Group is being awarded an *Environmental Leadership Program (ELP)* **Special Recognition Award** in *Pollution Prevention* for its advances in the sugarcane processing industry through the invention of the X-Tractor Sugarcane Processor. The X-Tractor is designed to be pulled alongside a traditional cane harvester or set-up as a standalone unit and process sugarcane onsite. As a result, bagasse is collected onsite and made available for delivery to other vendors. Biofuels producers, such as ethanol, can store the bagasse for future processing, allowing the biofuel refinery the ability to process and generate year round. Additionally, the need to burn the cane in the field is eliminated, reducing greenhouse gas emissions, smoke and ash. In the addition to the above, the X-Tractor saves approximately \$24 million a year in transportation costs.



Valero Refining-St. Charles Refinery, Norco, LA:

Valero Cat Cracker Conversion

Valero Refining-St. Charles Refinery is being awarded an *Environmental Leadership Program (ELP) Large Business Achievement Award in Pollution Prevention* for making a commitment to continuous improvement in its environmental performance by converting its MilliSecond Catalytic Cracking Unit to a Fluid Catalytic Unit. The key to efficient operation of a catalytic cracking unit is the ability to regenerate and recirculate catalyst. As a result of the unit conversion, over 4,700 annual tons of waste catalyst are eliminated by a two stage catalyst separation system. In addition to eliminating the need for disposal of waste catalyst into local landfills, less fresh catalyst is required for operation and therefore, improving overall air quality by eliminating 17.5 annual tons of emissions. This project was a huge undertaking in the midst of a slow economy, a further commitment to growth through innovation and environmentally clean products.



Rubicon, LLC, Geismar, LA:

Aniline II Boiler Efficiency Improvement Project

Rubicon, LLC is being awarded an *Environmental Leadership Program (ELP) Large Business Achievement Award in Pollution Prevention* for reducing hydrogen usage and significant energy conservation, thereby reducing environmental impacts while operating the aniline II boiler more efficiently. The installation of a new damper with tighter shutoff capabilities along with improvements to the combustion control by replacing the existing air flow meter with a multi-point thermal dispersion flow element led to the overall efficiency of the aniline II boiler. These improvements resulted in a savings of more than \$700,000.



Albemarle Corporation, Baton Rouge, LA:

VECAP EMS Implementation and Certification

Albemarle Corporation is being awarded an *Environmental Leadership Program (ELP) Large Business Achievement Award in Environmental Management Systems* for being certified in Voluntary Emissions Control Action Plan (VECAP). VECAP is a proactive product stewardship initiative established by the flame retardant industry that uses a mass balance approach to determine potential chemical emissions from a given process. Currently, there are no state or federal regulations that require the implementation of a program such as VECAP. VECAP represents a voluntary and proactive effort to reduce emissions to the environment above and beyond present North American regulatory standards.



Marathon Petroleum, Garyville, LA:

Hands On Science Experiments at Local Schools

Marathon Petroleum is being awarded an *Environmental Leadership Program (ELP) Large Business Achievement Award in Community Environmental Outreach* for volunteering with third and fourth grade students at local elementary schools with hands-on experiments to encourage students to explore and learn about chemistry, physics and geology. For the past ten years, Marathon has targeted this age group to generate excitement and curiosity about science and nature. Approximately twenty Marathon employee volunteers interact with 70-100 students, allowing them to see the value of having a strong foundation in science and improving student interest in science so that they leave school with the academic, technical and employability skills necessary to be successful in the 21st century workplace.



ExxonMobil Polyolefins Plant, Baton Rouge, LA:

ExxonMobil Community Outreach Team EMCOT

ExxonMobil Polyolefins Plant is being awarded an *Environmental Leadership Program (ELP) Large Business Achievement Award in Community Environmental Outreach* for volunteering in the local community to provide science and math education as well as the importance of recycling. ExxonMobil employee volunteers (EMCOT) is an ongoing group that works on projects mutually beneficial to all in the surrounding communities by partnering with several schools and two headstart programs. Numerous activities involving EMCOT and the surrounding communities fostered mutual respect while providing beneficial information.



PCS Nitrogen Fertilizer, Geismar, LA:

Greenhouse Gas Reduction

PCS Nitrogen Fertilizer is being awarded an *Environmental Leadership Program (ELP) Medium Business Achievement Award in Pollution Prevention* for significantly reducing nitrous oxide (N_2O) emissions by installing a secondary catalyst in the reactor bed of Nitric Acid Train 5. EPA has identified N_2O as a very potent greenhouse gas with a global warming factor 310 times greater than CO_2 . The installation resulted in an approximate 75% reduction in the generation of N_2O , which represents a reduction of greater than 3,000 tons per year.



Advanced Specialized Carriers, Pineville, LA:

Beneficial Reuse

Advanced Specialized Carriers is being awarded an *Environmental Leadership Program (ELP) Small Business Recognition Award in Pollution Prevention* for reducing the amount of waste transported to landfills. Advanced Specialized Carriers picks up oily water and soapy water for treatment and recycling. By keeping this waste out of the landfills, the use of solidification materials are decreased and space is freed up in landfills.



Country Club Auto Repair & Bentley's Collision, Lake Charles, LA:
Limit Waste Project

Country Club Auto Repair & Bentley's Collision is being awarded an *Environmental Leadership Program (ELP) Small Business Recognition Award in Pollution Prevention* for implementing a pollution prevention program by reducing the amount of waste used and disposed of at its auto repair shop. Through the implementation of several projects, including identifying where waste was generated and managed, Installing water-based paint booths thereby reducing VOC emissions, and increasing recycling activities, the elimination of waste improved the working environment and made the community better.



LifeCity, New Orleans, LA:

Gumbo Green Games

LifeCity is being awarded an *Environmental Leadership Program (ELP) Small Business Achievement Award in Community Environmental Outreach* for implementing the Gumbo Green Games as a fun competition for New Orleans-area retailers, restaurants, offices and Mardi Gras Krewes, to reduce costs and harmful environmental impacts on the community. While examining their business practices and working towards their goals throughout the competition, organizations were able to improve their social, environmental and economic outcomes.



City of Carencro, Carencro, LA:

Automated Meter Reading Program

City of Carencro is being awarded an *Environmental Leadership Program (ELP) Municipality Recognition Award in Pollution Prevention* for improving the efficiency of its wastewater treatment system and installing over 2,000 automatic meter reading devices on water meters throughout the city. The updated water meters allowed the City to read the meters in a more efficient manner, thereby reducing the amount of water it discharged during the production process and the quantity of chemicals it used in the production of water.



City of Scott, Scott, LA:

Household Hazardous Waste & White Good Collection Day

City of Scott is being awarded an *Environmental Leadership Program (ELP) Municipality Recognition Award in Community Environmental Outreach* for hosting collection days for household hazardous waste and white goods as a free service for the citizens of Scott to properly dispose of these materials and keep them out of the waterways and natural environment. The City encouraged recycling in order to preserve our valuable resources and promote poison control in terms of small children and animals.



Capital Area Corporate Recycling Council (CACRC), Baton Rouge, LA:

Recycle Your Electronics Day-Partnership WBRZ and CACRC

Capital Area Corporate Recycling Council (CACRC) is being awarded an *Environmental Leadership Program (ELP) Non-Governmental Organization Achievement Award in Pollution Prevention* for committing to electronic scrap reduction by providing recycled computers and equipment to schools, nonprofits, and low income families; and using the framework of reuse, recover and recycle for the material that flows through the facility. CACRC received donations of used computer/electronic equipment and refurbished them for distribution described above. CACRC held 29 recycling events in partnership with local communities, businesses, and media sponsors.



Harry Hurst Middle School Green Team, Destrehan, LA:

Litter Reduction

Harry Hurst Middle School Green Team is being awarded an *Environmental Leadership Program (ELP) Schools Recognition Award in Pollution Prevention* for increasing recycling at the school and introducing composting. The Green Team encouraged classmates to recycle paper, plastic, aluminum and cardboard. Through education and experience, students adopted a lifestyle of promoting sustainable living and experienced firsthand the impact that individuals and communities collectively have on the environment. These projects encourage the students to be better environmental stewards of our resources.



Montessori School for Shreveport, Shreveport, LA:
Coates Bluff Greenway and Watershed Protection

Montessori School for Shreveport is being awarded an *Environmental Leadership Program (ELP) Schools Achievement Award in Community Environmental Outreach* for undertaking the cleanup effort leading to the removal of 25,000 pounds of trash. Defining the area by its watershed led to education of preventative measures and continued protection and future conservation will be key in preserving this as an important wildlife corridor. A trail that connects three schools and a community center has the potential to become a field trip destination for the entire city of Shreveport.